

digital

DD11·C

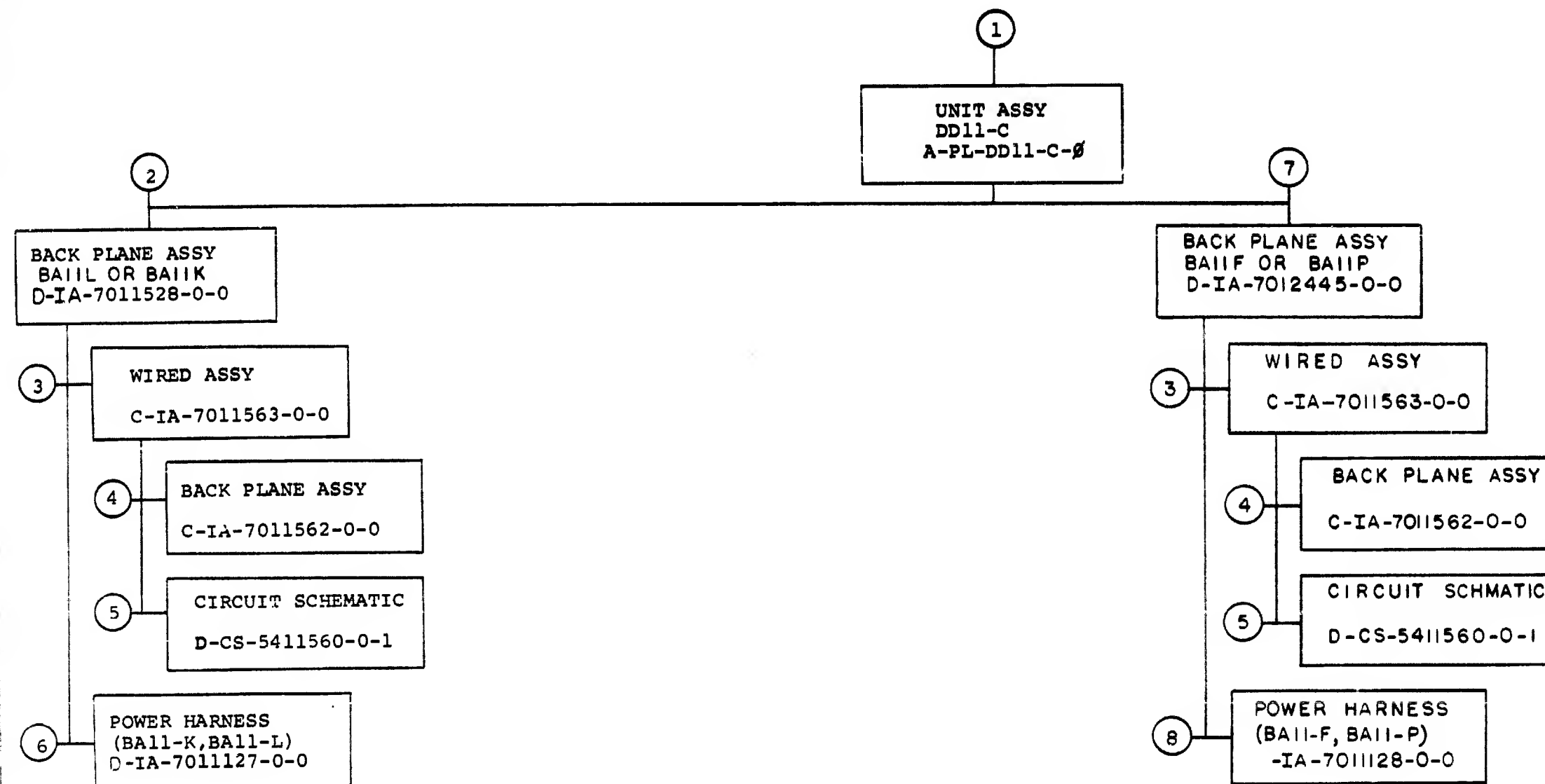
Engineering Drawings

Digital Equipment Corporation

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| TITLE | SHEET 2 OF 3 | SIZE | CODE | NUMBER | REV |
|--------------------------|--------------|------|------|--------|-----|
| DRAWING DIRECTORY DD11-C | | B | DD | DD11-C | B |

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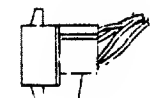
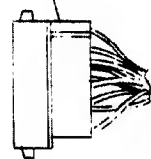
| WIRE TABLE | | | | | |
|------------|-----|-------|-----------------|-----------------|--------|
| ITEM NO | AWG | COLOR | FROM CONNECTION | TO CONNECTION | WITH |
| 1 | 18 | BLK | P2-1 | GND | SOLDER |
| | 18 | BRN | P2-2 | L7C | |
| | 18 | VIO | P2-3 | DC LO | |
| | 18 | YEL | P2-4 | AC LO | |
| | 14 | RED | P1-1 | +5V | |
| | 18 | GRY | P1-2 | +15 | |
| | 18 | ORN | P1-3 | +20V | |
| | 14 | RED | P1-4 | +5V | |
| | 18 | WHT | P1-6 SEE NOTE 4 | +15B SEE NOTE 4 | |
| | 14 | BLK | P1-7 | GND | |
| | 14 | BLK | P1-8 | GND | |
| | 14 | RED | P1-12 | +5B | SOLDER |

| WIRE TABLE | | | | | |
|------------|-----|-------|-----------------|---------------|--------|
| ITEM NO | AWG | COLOR | FROM CONNECTION | TO CONNECTION | WITH |
| 1 | 18 | BLU | P1-13 | -15V | SOLDER |
| 1 | 18 | BRN | P1-14 | -5V | |
| 1 | 18 | GRN | P1-15 | -15B | |
| | | | SEE NOTE 4 | SEE NOTE 4 | |
| 1 | 18 | GRN | P1-6 | +15B | |
| | | | SEE NOTE 5 | SEE NOTE 5 | |
| 1 | 18 | WHT | P1-15 | -15B | SOLDER |
| | | | SEE NOTE 5 | SEE NOTE 5 | |

NOTES:

1. WHEN THE DDII-CK'S USED WITH A BAIL-K EXPANSION BOX WITHOUT BATTERY BACK-UP (I.E., NO 785 NOR 7850), INSTALL THE THREE JUMPERS SHOWN:
1) -15 TO -15B
2) +15 TO +15B
3) +5 TO +5B (SEE NOTE 3)
USE #22 SHIELDED BUS WIRE ON SIDE 2. THIS WILL PROVIDE POWER TO THE MOS MEMORY VOLTAGE RAILS.
2. INSTALL SHAKEPROOF SOLDER LUG (ITEM #6) UNDER THE SYSTEM UNIT MOUNTING SCREW TO PROVIDE A LOGIC GROUND TO CHASSIS GROUND CONNECTION.
3. BAIL-K'S THAT USE THE 5410864-YA-1 POWER DISTRIBUTION (I.E., 11/34A, 11/34 WITH FP11-AU, AND SOME 11/04'S) AND HAVE MORE THAN ONE DDII-CK (OR AN ADDITIONAL DDII-DK) CAN ONLY HAVE THE +5 TO +5B JUMPER IN ONE OF THE BACK PANELS. IF TWO OF THE BACK PANELS HAVE THE JUMPER IN, THE +5V REGULATORS MAY BE CONNECTED TOGETHER. TYPICALLY THIS JUMPER IS IN THE FIRST BACK PANEL, BUT IT MAY BE PLACED IN ONE OF THE OTHER BACK PANELS IF DEEMED NECESSARY FOR POWER REQUIREMENTS.
4. WHEN USING REV. C HARNESS USE THESE POINT-TO-POINT CONNECTIONS.
5. WHEN USING REV B OR EARLIER HARNESS, USE THESE POINT-TO-POINT CONNECTIONS.

P1 REF



P2 REF

SEE NOTE #1

PIN A Ø1A1

SEE NOTE #2

PIN 1

1.50 REF

| REV | DATE | BY | CHKD | APP'D |
|-----|----------|----------|------|-------|
| 1 | 11/16/75 | R. BARRY | | |
| 2 | 11/16/75 | R. BARRY | | |
| 3 | 11/16/75 | R. BARRY | | |
| 4 | 11/16/75 | R. BARRY | | |
| 5 | 11/16/75 | R. BARRY | | |
| 6 | 11/16/75 | R. BARRY | | |
| 7 | 11/16/75 | R. BARRY | | |
| 8 | 11/16/75 | R. BARRY | | |

| ITEM NO | DESCRIPTION | QTY | UNIT |
|---------|------------------------|------------------|------|
| 1 | SHAKEPROOF SOLD. LUG | 9008160 | 6 |
| 2 | WIRE #18AWG STRD (BLK) | 9107560-00 | 5 |
| 3 | TUBING #22 (BLUE) | 9107256-00 | 4 |
| 4 | WIRE, BUS #22 | 9107560-01 | 3 |
| 5 | WIRED ASSY DDII-C | D-IA-701163-0-0 | 2 |
| 6 | HARNESS POWER | D-IA-7011127-0-0 | 1 |

| QUANTITY & VARIATION | DESCRIPTION | DWG / PART NO. | ITEM NO. |
|----------------------|------------------------|------------------|----------|
| 1 | SHAKEPROOF SOLD. LUG | 9008160 | 6 |
| 2 | WIRE #18AWG STRD (BLK) | 9107560-00 | 5 |
| 3 | TUBING #22 (BLUE) | 9107256-00 | 4 |
| 4 | WIRE, BUS #22 | 9107560-01 | 3 |
| 5 | WIRED ASSY DDII-C | D-IA-701163-0-0 | 2 |
| 6 | HARNESS POWER | D-IA-7011127-0-0 | 1 |

| THIRD ANGLE PROJECTION | REMOVE BURRS AND BREAK SHARP CORNERS | DO NOT SCALE DWG | MATERIAL | SEL PARTS LIST | FINISH |
|------------------------|--------------------------------------|------------------------|---------------------|----------------|--------|
| DRN. 20 11/16/75 | CHKD. 20 11/16/75 | ENG. R. BARRY 11/16/75 | PROJ. ENG. 11/16/75 | PROD. 11/16/75 | |

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | CLASS OF ACCURACY | CHECK ONE | CLASS OF ACCURACY | CHECK ONE |
|---|-------------------|-----------|-------------------|-----------|
| ANGLES UP TO 90° | 1 | 2 | 3 | 4 |
| SURFACE QUALITY IN | 1 | 2 | 3 | 4 |
| MICROINCHES | 1 | 2 | 3 | 4 |

| | | | | |
|--------------------------------|-------------------|------------------------|---------------------|----------------|
| DRN. 20 11/16/75 | CHKD. 20 11/16/75 | ENG. R. BARRY 11/16/75 | PROJ. ENG. 11/16/75 | PROD. 11/16/75 |
| TITLE: BACK PLANE ASSY DDII-CK | | | | |
| SIZE: D 14 115 2 0-0 | | | | |
| REV. D | | | | |

NOTES:
1. USE TIE, CABLE (X) WHERE INDICATED.

OIN 6 IN 12 IN

LOCATING LUG

2 _____
3 (CTY 4)

| | | | |
|---|--|---|--|
| <div style="display: flex; justify-content: space-between;"> QUANTITY & VARIATION ITEM # </div> | | <div style="display: flex; justify-content: space-between;"> DWG./PART NO. ITEM # </div> | |
| <div style="display: flex; justify-content: space-between;"> ANGLES SURF 30° GLASS OF ACCURACY </div> | | <div style="display: flex; justify-content: space-between;"> NOMINAL DIMENSION RANGE INCHES </div> | |
| <div style="display: flex; justify-content: space-between;"> SURFACE QUALITY IN (CHECK ONE) </div> | | <div style="display: flex; justify-content: space-between;"> OVER 0.2 OVER 0.2 OVER 0.2 OVER 0.2 OVER 0.2 </div> | |
| <div style="display: flex; justify-content: space-between;"> MEDIUM PRESERVED </div> | | <div style="display: flex; justify-content: space-between;"> ±0.008 ±0.012 ±0.018 ±0.024 ±0.030 </div> | |
| <div style="display: flex; justify-content: space-between;"> TY: ID ANGLE PROJECTION </div> | | <div style="display: flex; justify-content: space-between;"> FIRST USED ON DATE </div> | |
| <div style="display: flex; justify-content: space-between;"> REMOVE BURRS AND BREAK SHARP CORNERS </div> | | <div style="display: flex; justify-content: space-between;"> TITLE DATE </div> | |
| <div style="display: flex; justify-content: space-between;"> DO NOT SCALE DWG </div> | | <div style="display: flex; justify-content: space-between;"> SIZE CODE </div> | |
| <div style="display: flex; justify-content: space-between;"> MATERIAL </div> | | <div style="display: flex; justify-content: space-between;"> NUM. OF </div> | |
| <div style="display: flex; justify-content: space-between;"> SCC PARTS LIST </div> | | <div style="display: flex; justify-content: space-between;"> REV </div> | |
| <div style="display: flex; justify-content: space-between;"> FINISH </div> | | <div style="display: flex; justify-content: space-between;"> DIST. </div> | |
| <div style="display: flex; justify-content: space-between;"> SHEET </div> | | <div style="display: flex; justify-content: space-between;"> OF </div> | |

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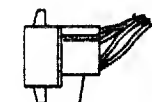
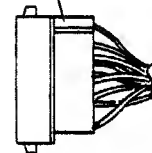
| WIRE TABLE | | | | | |
|------------|-------------|-------|-----------------|--------|--|
| ITEM NO | DESCRIPTION | FROM | TO | WITH | |
| 1 | 18 BLK | P2-1 | GND | SOLDER | |
| | 18 BRN | P2-2 | L7C | | |
| | 18 VIO | P2-3 | DC LO | | |
| | 18 YEL | P2-4 | AC LO | | |
| | 14 RED | P1-1 | +5V | | |
| | 18 GRN | P1-2 | +15 | | |
| | 18 ORN | P1-3 | +20V | | |
| | 14 RED | P1-4 | +5V | | |
| | 18 WHT | P1-6 | +15B SEE NOTE 4 | | |
| | 14 BLK | P1-7 | GND | | |
| | 14 BLK | P1-8 | GND | | |
| 1 | 14 RED | P1-10 | +5B | SOLDER | |

| WIRE TABLE | | | | | |
|------------|-------------|------------|------------|--------|--|
| ITEM NO | DESCRIPTION | FROM | TO | WITH | |
| 1 | 18 BLU | P1-13 | -15V | SOLDER | |
| 1 | 18 BRN | P1-14 | -5V | | |
| 1 | 18 GRN | P1-15 | -15B | | |
| | | SEE NOTE 4 | SEE NOTE 4 | | |
| 1 | 18 GRN | P1-6 | +15B | | |
| | | SEE NOTE 5 | | | |
| 1 | 18 WHT | P-15 | -15B | SOLDER | |
| | | SEE NOTE 5 | | | |

NOTES:

1. WHEN THE DDII-CF IS USED WITH A BAI-F EXPANSION BOX WITHOUT BATTERY BACK-UP, INSTALL THE THREE JUMPERS SHOWN:
1) -15 TO -15B
2) +15 TO +15B
3) +5 TO +5B
USE #22 SHIELDED BUS WIRE ON SIDES. THIS WILL PROVIDE POWER TO THE MOS MEMORY VOLTAGE RAILS.
2. INSTALL SHAKPROOF SOLDER LUG (ITEM #6) UNDER THE SYSTEM UNIT MOUNTING SCREW TO PROVIDE A LOGIC GROUND TO CHASSIS GROUND CONNECTION.
3. THE BAI-F POWER HARNESS ITEM #1 IS NOT ELECTRICALLY COMPATIBLE WITH THE BAI-L OR BAI-K MOUNTING BOX.
4. WHEN USING REV. A HARNESS USE THESE POINT-TO-POINT CONNECTIONS.
5. WHEN USING REV. D HARNESS USE THESE POINT-TO-POINT CONNECTIONS.

P1 REF



P2 REF

SEE NOTE #1

PIN A Ø1A1

SEE NOTE #2

PIN 1

2.23 REF

1.50 REF

| | | | |
|---|-----------------------|-----------------|---|
| 1 | SHAKPROOF SOLDER LUG | 9008150 | 6 |
| 2 | WIRE #18/MS STD (BLK) | 9107560-00 | 5 |
| 3 | TUBING #22 (BLUE) | 9107256-06 | 4 |
| 4 | WIRE, BUS #22 | 9107560-01 | 3 |
| 5 | WIRED ASSY DBII-C | D-IA-701563-0-0 | 2 |
| 6 | HARNESS, POWER F BOX | D-IA-701123-0-0 | 1 |

| | | | |
|--------------------------------------|---|------------------|----------|
| QUANTITY & VARIATION | DESCRIPTION | DWG. PART NO. | ITEM NO. |
| THIRD ANGLE PROJECTION | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | |
| REMOVE BURRS AND BREAK SHARP CORNERS | DO NOT SCALE DWG | | |
| MATERIAL | SEE PARTS LIST | | |
| FINISH | H | | |
| DRN | L. Stanley 1 FEB 76 | | |
| CHK'D | D. L. G. 24 FEB 76 | | |
| ENGR | E. J. R. 3-10-76 | | |
| PROJ. ENGR | R. B. 3-10-76 | | |
| PROCK | R. B. 3-10-76 | | |
| NEXT HIGHER ASSY. | | | |
| TITLE | | BACK PLANE ASS'Y | DDII-CF |
| SIZE | | 1000 | NUMBER |
| SCALE | | NONE | D |
| SHEET | | 1 OF 1 | DIST. |

| | |
|------------|------------|
| REV. | A |
| CHANGE NO. | 00003 |
| DATE | 3-10-76 |
| BY | D. BARRY |
| CHK'D | L. Stanley |

| WIRE TABLE | | | | | | | | | | |
|------------|-------------|-----|-------|-------|------------|--------|-------|------------|---------|-------|
| ITEM | DESCRIPTION | | FROM | | | TO | | | SIGNAL | |
| | NO | AWG | COLOR | POINT | CONNECTION | TERM | POINT | CONNECTION | | TERM |
| 7 | 18 | GRN | 1 | PI-15 | | | | | | -15 B |
| 8 | 18 | BRN | 2 | PI-14 | | ITEM 2 | 28 | | STRIP 1 | -5V |
| 9 | 18 | BLU | 3 | PI-13 | | | 29 | | YIN | -15V |
| 6 | 14 | RED | 4 | PI-10 | | | 26 | | | +5 B |
| 5 | 14 | BLK | 5 | PI-9 | | | 29 | | | GND |
| 3 | 14 | BLK | 6 | PI-7 | | | 27 | | | GND |
| 10 | 18 | WHT | 7 | PI-6 | | | 25 | | | +15 B |
| 6 | 14 | RED | 8 | PI-4 | | | 17 | | | +5V |
| 11 | 18 | ORN | 9 | PI-3 | | | 18 | | | +20V |
| 12 | 18 | GRY | 10 | PI-2 | | | 23 | | | +15V |
| 6 | 14 | RED | 11 | PI-1 | | | 16 | | | +5V |
| 13 | 18 | BLK | 12 | P2-1 | | | 20 | | | GND |
| 8 | 18 | BRN | 13 | P2-2 | | | 22 | | | LTC |
| 14 | 18 | VIO | 14 | P2-3 | | | 21 | | STRIP 1 | DC LO |
| 15 | 18 | VEL | 15 | P2-4 | | ITEM 3 | 30 | | YIN | AC LO |

2 REF

LOCATING LUG

PIN 4

PIN 1

PIN 3

PIN 5

VIEW A-A
(WIRING SIDE)
SCALE: NONE

2 P2

3 (QTY 4) A

P2

12 13 14 15

1 REF

PIN 1

PIN 3

LOCATING LUG

PIN 5

PIN 15

VIEW B-B
(WIRING SIDE)
SCALE: NONE

1 P1

2

3 (QTY 11)

4

1 2 3 4 5 6 7 8 9 10 11

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

| WIRE | WIRE # | STRD | VEL | QTY |
|----------|--------|------|------------|-----|
| WIRE #18 | STRD | VEL | 9:07360-44 | 5 |
| WIRE #18 | STRD | VIO | 9:07360-77 | 4 |
| WIRE #18 | STRD | AL | 9:07360-07 | 3 |
| WIRE #18 | STRD | GRY | 9:07360-88 | 2 |

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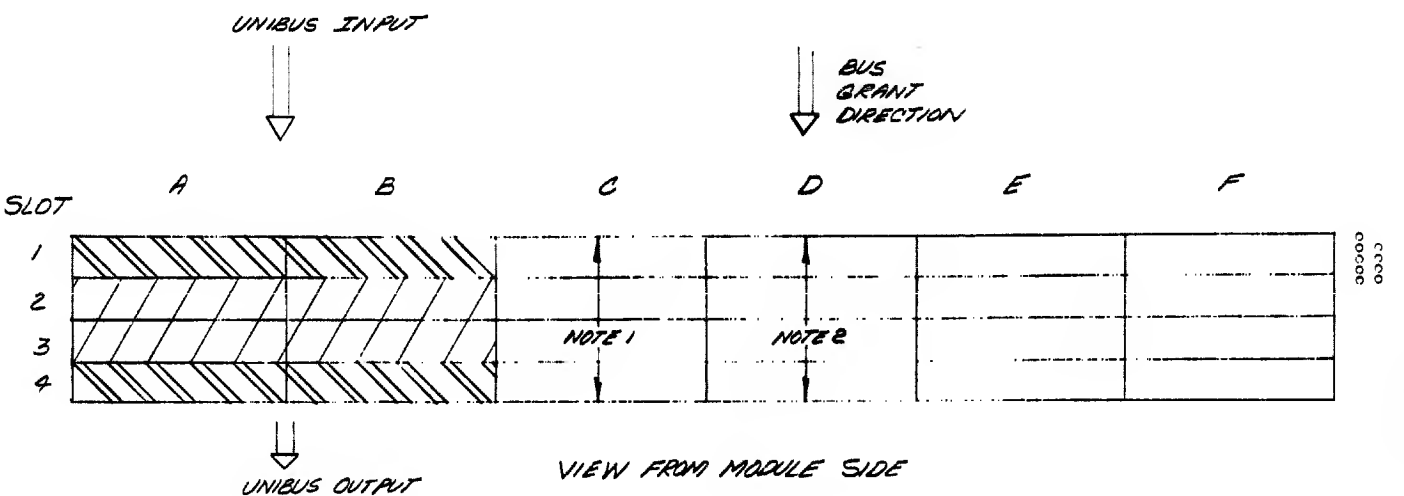
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NOTES:

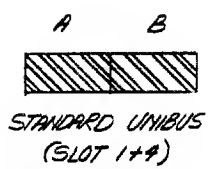
1. REMOVE CA1 TO CB1 WIRE WRAP JUMPER TO INSTALL AN NPR OPTION IN ANY SPC SLOT.
2. G727 REQUIRED IN ANY UNUSED SPC SLOT TO PROVIDE DIS GRANT CONTINUITY.
3. DRAIN DIRECTION IS SLOT 1 TO SLOT 4.
4. USE M9202 TO INTERCONNECT SYSTEM UNITS INSTEAD OF M920. M9202 IS A 2 FT. UNIBUS JUMPER CABLE USED TO DISTRIBUTE UNIBUS LOADING.
5. M9302 (SACK/TERM) AND M930 (TERM) MUST NEVER BE INSTALLED IN ANY SLOT OTHER THAN SLOT 4 (A & B). POWER SUPPLY VOLTAGES WILL BE SHORTED OUT IF THESE TERMINATORS ARE MOUNTED IN THE MODIFIED UNIBUS SLOTS.
6. MODIFIED UNIBUS SECTION CARRIES CORE AND MOS MEMORY VOLTAGE RAILS AND MEMORY PARITY CONTROL SIGNALS INSTEAD OF BUS GRANT AND SOME GND SIGNALS THAT ARE CONTAINED IN STANDARD UNIBUS SLOTS.
7. INSTALL M9312 IN SLOT 2 ONLY, FOR UNIBUS TERMINATION.
8. EITHER M9312 OR M9301 MAY BE USED BUT NOT BOTH.

SLOT 1 (A & B) IS EITHER THE BEGINNING OF THE UNIBUS (M7203 CPU MODULE) OR THE UNIBUS CABLE INPUT (BC11A)

SLOT 4 (A & B) IS EITHER THE TERMINATION OF THE UNIBUS OR THE UNIBUS OUTPUT CABLE (BC11A)

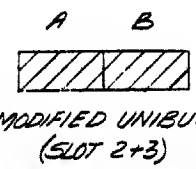


CABLE FROM KY11-LA OPERATORS CONSOLE, USED WITH (M7203) PDP1104 CPU MODULE ONLY, TERMINATES HERE.



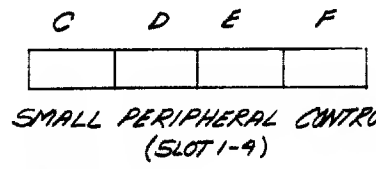
STANDARD UNIBUS (SLOT 1+4)

DUAL MODULES WHICH PLUG INTO STANDARD UNIBUS SLOTS ONLY:
BC11A UNIBUS CABLE
M9302 SACK/TERM. (NOTES)
M920 (NOTE 4)
M930 (NOTE 5)
M9202 (NOTE 4)



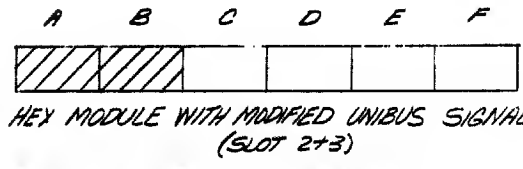
MODIFIED UNIBUS (SLOT 2+3)

DUAL MODULES WHICH PLUG INTO THE MODIFIED UNIBUS SLOTS ONLY:
M9312 BOOT/TERM. (SLOT 2 ONLY)
M9308 TERM.
M7850 PARITY CONT.



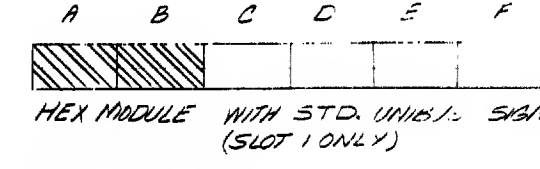
SMALL PERIPHERAL CONTROLLER (SLOT 1-4)

ANY S.P.C. OPTION



HEX MODULE WITH MODIFIED UNIBUS SIGNALS (SLOT 2+3)

HEX MODULES THAT PLUG INTO MODIFIED UNIBUS ONLY:
M7847 MOS MEMORY (M811-EP-JP)
M811-BP, CP, OP OR YP CORE MEMORY CORE



HEX MODULE WITH STD. UNIBUS SIGNALS (SLOT 1 ONLY)

M7203 PDP1104 CPU MODULE

- GENERAL
- ANY HEX MODULE THAT MEETS THE FOLLOWING REQUIREMENTS CAN BE MOUNTED IN THESE SLOTS.
1. THOSE PINNED TO TAKE SIGNALS FROM MODIFIED UNIBUS (A & B) WITH THE BUS GRANTS TAKEN FROM SPC SLOTS 1a: ABOVE
 2. THOSE PINNED TO TAKE SIGNALS FROM STANDARD SPC PINNING WITH THE EXCEPTION OF POWER FROM (A & B) 1a: SPECIAL OPTIONS

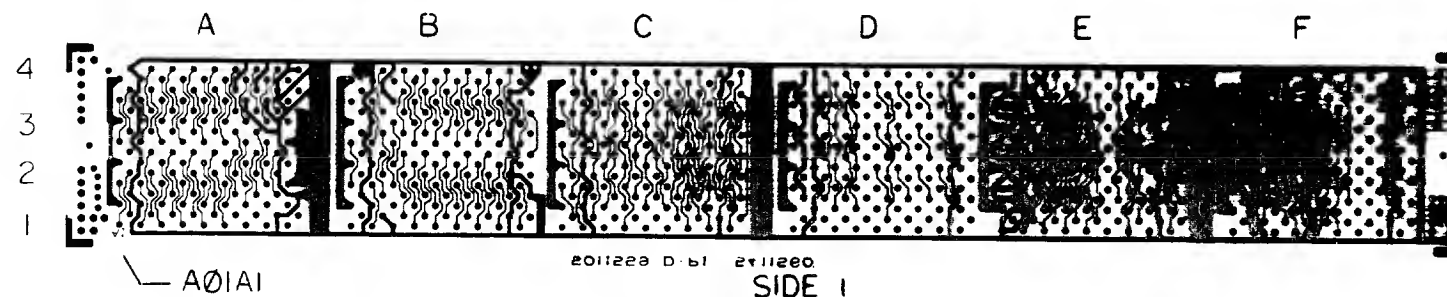
| REV. | CHG. | NO. | DATE | BY | CHK. |
|------|------|-------|--------|----------|------|
| A | 1 | 00001 | 1-6-76 | R. BARRY | |
| B | 2 | 00002 | 1-6-76 | R. BARRY | |
| C | 3 | 00003 | 1-6-76 | R. BARRY | |
| D | 4 | 00004 | 1-6-76 | R. BARRY | |
| E | 5 | 00005 | 1-6-76 | R. BARRY | |
| F | 6 | 00006 | 1-6-76 | R. BARRY | |
| G | 7 | 00007 | 1-6-76 | R. BARRY | |
| H | 8 | 00008 | 1-6-76 | R. BARRY | |
| I | 9 | 00009 | 1-6-76 | R. BARRY | |
| J | 10 | 00010 | 1-6-76 | R. BARRY | |

| QUANTITY & VARIATION | DESCRIPTION | DWG./PART NO. | ITEM NO. |
|--------------------------------|---|---------------|----------|
| THIRD ANGLE PROJECTION | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | |
| ANGLES 10° 30' | CLASS OF ACCURACY (CHECK ONE) | | |
| SURFACE QUALITY IN MICROINCHES | MEDIUM | | |
| PREFERRED | | | |
| ORIGIN | DATE | FIRST USED ON | |
| CHKD. | 7-20-75 | B-DD DDH-C | |
| ENG. R. BARRY | 7-20-75 | | |
| PROD. R. BARRY | 7-20-75 | | |
| NEXT HIGHER ASSY. | | | |
| MATERIAL | SCALE | SIZE CODE | NUMBER |
| FINISH | SHEET 1 OF 1 | D MU | DDH-C-2 |

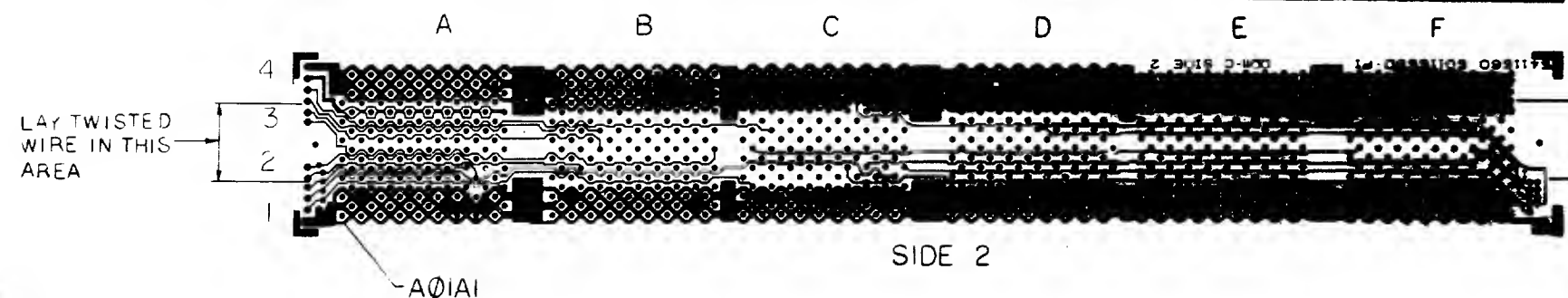
NOTES:

NOTES:

1. A4 DRAWING MADE FROM SIDE 1.
2. HORIZON WIRE RUNS 1-20 MUST BE DRESSED INTO CENTER CHANNEL MARKED ON THIS DRAWING.
3. WIRES, (TWISTED PAIRS) ARE GREY AND VIOLET.
4. GREY IS GND. VIOLET IS SIGNAL LINE.
5. SIDE 1 IS DARK. SIDE 2 IS LIGHT.



| RUN | FROM | TO | SIGNAL | RUN | FROM | TO | SIGNAL | RUN | FROM | TO | SIGNAL | RUN | FROM | TO | SIGNAL | RUN | FROM | TO | SIGNAL |
|-----|-------|-------|---------|-----|-------|-------|--------|-----|-------|-------|--------|-----|-------|-------|---------|-----|-------|-------|--------|
| 1 | B02U1 | E01J1 | SSYN L | 5 | A02P2 | F01D1 | BBSY L | 9 | B02F2 | C01N1 | D01O | 13 | B01R1 | D01P2 | BG5A | 17 | A01V1 | D01K3 | BG7A |
| 1 | B02T1 | E01C2 | GND | 5 | A02T1 | F01C2 | GND | 9 | B02C2 | C01T1 | GND | 13 | B01C2 | D02T1 | GND LV2 | 17 | A01V2 | D02C2 | GND |
| 2 | B03U1 | E04J1 | SSYN L | 6 | A03P2 | F04D1 | BBSY L | 10 | B03F2 | C04N1 | D01O | 14 | B04B1 | D04R2 | BG5E | 18 | A04V1 | D04L2 | BG7E |
| 2 | B03T1 | E04C2 | GND | 6 | A03T1 | F04C2 | GND | 10 | B03C2 | C04T1 | GND | 14 | B04C2 | B03T1 | GND LV2 | 18 | A04V2 | D03C2 | GND |
| 3 | B02V1 | E01E1 | MSYN L | 7 | A02A1 | D01L1 | INIT L | 11 | B01E2 | D01S2 | BG4A | 15 | B01A1 | D01M2 | BG6A | 19 | A01U1 | C01A1 | NPGL |
| 3 | B02T1 | F01C2 | GND LV2 | 7 | A02C2 | D01T1 | GND | 11 | B01C2 | D01T1 | GND | 15 | B01B2 | D02T1 | GND | 19 | A04T1 | C01C2 | GND |
| 3 | B03V1 | E04E1 | MSYN C | 8 | A03A1 | D04L1 | INIT L | 12 | B04E2 | D04T2 | BG4E | 16 | B04A1 | D04N2 | BG6E | 20 | A04V1 | C04B1 | NPGL |
| 4 | B03T1 | E04C2 | GND LV2 | 8 | A03C2 | D04T1 | GND | 12 | B04C2 | D04T1 | GND | 16 | B04B2 | D03T1 | GND | 20 | A04T1 | C04C2 | GND |



| | | | | |
|-----|------------------|------------------------------|------------------|----------|
| REF | | AVT REV STATUS | A-WT-7011563 | 5 |
| REF | | MODULE ECO HISTORY | B-WH-5411560-0-6 | 4 |
| REF | | ASSY/ DRILLING HOLE LAYOUT | D-AH-5411560-0-5 | 3 |
| REF | | X-Y COORDINATE HOLE LOCATION | K-CD-5411560-0-4 | 2 |
| I | | ETCHED CIRCUIT BOARD | 5011559 | 1 |
| QTY | REF. DESIGNATION | DESCRIPTION | PART NO. | ITEM NO. |

| PARTS LIST | | | | | | | | | |
|-----------------|-----|--|--|--|--|--|--|--|--|
| ETCH BOARD REV. | DPI | | | | | | | | |

| | |
|---|----------------------------|
| DESIGNED <i>[Signature]</i> DATE 6-12-75 CHECKED <i>[Signature]</i> DATE 6-16-75 ENGR <i>[Signature]</i> DATE 6-26-75 PROJ. ENGR <i>[Signature]</i> DATE 7-2-75 PROD. MGR <i>[Signature]</i> DATE 4-25-76 | TITLE CIRCUIT SCHEMATIC |
| NEXT HIGHER ASSY D-1A-7414331-0-0 | SIZE CODE DCS |
| SCALE <i>NONE</i> | NUMBER 5411560-0-1 |
| SHEET <i>1</i> OF <i>1</i> | REV 0 |

| | | |
|---------|---------|------------------|
| DEC NO. | EIA NO. | CONVERSION CHART |
|---------|---------|------------------|

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DIGITAL EQUIP. CORP.

| FIRST USED ON OPTION MODEL | | QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|-------------------------------------|--|---------------------|--|----------|----------|
| DDII-C | | | PARTS LIST | | |
| DRN <i>E. Thullen</i> | | DATE <i>7/2/75</i> | digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE WIRE LIST DDII-C | | |
| CHK'D <i>D. Barry</i> | | DATE <i>7/2/75</i> | | | |
| ENG. <i>R. Barry</i> | | DATE <i>7-20-75</i> | | | |
| PROJ. ENG. <i>R. Barry</i> | | DATE <i>7-2-75</i> | | | |
| PROD. <i>R. Barry</i> | | DATE <i>7/18/75</i> | | | |
| NEXT HIGHER ASSEMBLY B-DD-DDII-C | | | SIZE CODE NUMBER REV. K WL DDII-C-1 A | | |
| SCALE <i>1/1</i> | | | DIST. | | |
| SHEET <i>1</i> OF <i>1</i> | | | | | |

DD11-C,P0
RUN NAME

HND288,V23(23) 05/24/74
A/P PIN ORDER BAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z

REMARKS

12-MAR-75
LENGTH

8143
EXCEPTIONS

PAGE 1
RUN
NUMBER

+15/+8V
+15/+8V
+15/+8V
+15/+8V
+15/+8V

C01U1
C02U1
C03U1
C04U1
1

1-01
1-02
1-03
1-04
1

H
H
H
H
H

2
1
2
1
1

P
P
P
P
P

8-2/8

H TO WHERE
H TO WHERE
H TO WHERE
TO HERE
TO HERE

1
1
1
1
1

+20V
+20V
+20V
+20V
+20V
+20V
+20V
+20V

A02U1
A02V1
A02V2
A03U1
A03V1
A03V2
1

1-01
1-02
1-03
1-04
1-05
1-06
1

H
H
H
H
H
H
H

1
2
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P
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P

12-4/8

H TO WHERE
H TO WHERE
H TO WHERE
H TO WHERE
H TO WHERE
TO HERE
TO HERE

2
2
2
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2
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2

+5V (1)
+5V (1)
+5V (1)
+5V (1)
+5V (1)

A01A2
A02A2
A03A2
A04A2
1

1-01
1-02
1-03
1-04
1

H
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8-2/8

H TO WHERE
H TO WHERE
H TO WHERE
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3
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+5V (2)
+5V (2)
+5V (2)
+5V (2)
+5V (2)

B01A2
B02A2
B03A2
B04A2
1

1-01
1-02
1-03
1-04
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H
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8-2/8

H TO WHERE
H TO WHERE
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+5V (3)
+5V (3)
+5V (3)
+5V (3)
+5V (3)

C01A2
C02A2
C03A2
C04A2
1

1-01
1-02
1-03
1-04
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H
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8-2/8

H TO WHERE
H TO WHERE
H TO WHERE
TO HERE
TO HERE

5
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+5V (4)
+5V (4)
+5V (4)
+5V (4)
+5V (4)

D01A2
D02A2
D03A2
D04A2
1

1-01
1-02
1-03
1-04
1

H
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P
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8-2/8

H TO WHERE
H TO WHERE
H TO WHERE
TO HERE
TO HERE

6
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+5V (5)
+5V (5)
+5V (5)
+5V (5)
+5V (5)

E01A2
E02A2
E03A2
E04A2
1

1-01
1-02
1-03
1-04
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H
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8-2/8

H TO WHERE
H TO WHERE
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TO HERE

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DD11-C.PM
RUN NAME

HND288.V23(23) 05/24/74
A/P PIN ORDER BAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z REMARKS

12-MAR-75
LENGTH

8143
EXCEPTIONS

PAGE 2
RUN
NUMBER

+5V (6)
+5V (6)
+5V (6)
+5V (6)
+5V (6)

F01A2
F02A2
F03A2
F04A2

1-01
1-02
1-03
1-04
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H TO WHERE
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8-2/8

-15V
-15V
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-15V

C01B2
C02B2
C03B2
C04B2
D04B2
D03B2
D02B2
D01B2
E01B2
E02B2
E03B2
E04B2
F04B2
F03B2
F02B2
F01B2

1-01
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47-6/8

-5V
-5V
-5V

B02V2
B03V2

1-01
1-02
1

H

1

P

H TO WHERE
H TO WHERE

10
10
10

2-6/8

A AG IN
A AG IN
A AG IN

C01U2
F01B1

1-01
1-02
1

1

5-6/8

A AG OUT
A AG OUT
A AG OUT

D01V2
F01A1

1-01
1-02
1

1

5-6/8

A BR OUT
A BR OUT
A BR OUT
A BR OUT

D01J2
F01P1
F01U2

1-01
1-02
1-03
1

1
2

11-4/8

A IN
A IN
A IN

D01H1
E01N1

1-01
1-02
1

1

5-2/8

DD11-C.PM
RUN NAME

HND288.V23(23) 05/24/74
A/P PIN ORDER BAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z REMARKS

12-MAR-75
LENGTH

8143
EXCEPTIONS

PAGE 3
RUN
NUMBER

A INT A
A INT A
A INT A

D01N1
F01U1

1-01
1-02
1

1

8-2/8

A INT B
A INT B
A INT B

C01J1
F01K2

1-01
1-02
1

1

10-4/8

A INT ENB A
A INT ENB A
A INT ENB A

D01M1
F01V1

1-01
1-02
1

1

8-4/8

A INT ENB B
A INT ENB B
A INT ENB B

C01L1
F01H2

1-01
1-02
1

1

10-8/8

A OUT HIGH
A OUT HIGH
A OUT HIGH

D01K1
E01K2

1-01
1-02
1

1

5-2/8

A OUT LOW
A OUT LOW
A OUT LOW

D01O1
E01N1

1-01
1-02
1

1

5-6/8

A SEL 2
A SEL 2
A SEL 2

D01F1
E01S2

1-01
1-02
1

1

6-8/8

A SEL 4
A SEL 4
A SEL 4

D01E1
E01P2

1-01
1-02
1

1

6-2/8

A SEL 6
A SEL 6
A SEL 6

D01C1
E01S1

1-01
1-02
1

1

6-2/8

A SEP 2
A SEP 2
A SEP 2

D01J1
E01T2

1-01
1-02
1

1

6-8/8

A SSYN IN H
A SSYN IN H
A SSYN IN H

D01V1
F01B1

1-01
1-02
1

1

2-6/8

| DD11-C,PM | HND288,V23(23) 05/24/74 | | | | | | | | | | | 12-MAR-75 | 8143 | PAGE 4 | |
|-------------|-------------------------|-------|-------|--------|---|------|----|----|---|---|---|-----------|--------|------------|---------------|
| RUN NAME | A/P | PIN | ORDER | BAY - | Q | DRAW | RV | PG | Y | X | Z | REMARKS | LENGTH | EXCEPTIONS | RUN NUMBER |
| | | NAME | PIN | ORDER | | | | | | | | | | | |
| AC LO L | | E01F1 | | 1-01 * | H | | | | | | 2 | | P | HAND WIRE | 26 |
| AC LO L | | E02F1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 26 |
| AC LO L | | C01V1 | | 1-03 * | H | | | | | | 2 | | P | HAND WIRE | 26 |
| AC LO L | | C02V1 | | 1-04 * | H | | | | | | 1 | | P | HAND WIRE | 26 |
| AC LO L | | C03V1 | | 1-05 * | H | | | | | | 2 | | P | HAND WIRE | 26 |
| AC LO L | | C04V1 | | 1-06 * | | | | | | | 1 | | | TO HERE | 26 |
| AC LO L | | E03F1 | | 1-07 * | H | | | | | | 2 | | P | HAND WIRE | 26 |
| AC LO L | | E04F1 | | 1-08 * | | | | | | | | | | TO HERE | 26 |
| AC LO L | | | | 1 | | | | | | | | | | | 26 |
| | | | | | | | | | | | | | | 26-6/8 | |
| B BG IN | | D02U2 | | 1-01 | | | | | | | 1 | | | | 27 |
| B BG IN | | F02R1 | | 1-02 | | | | | | | | | | | 27 |
| B BG IN | | | | 1 | | | | | | | | | | | 27 |
| | | | | | | | | | | | | | | 5-6/8 | |
| B BG OUT | | D02V2 | | 1-01 | | | | | | | 1 | | | | 28 |
| B BG OUT | | F02A1 | | 1-02 | | | | | | | | | | | 28 |
| B BG OUT | | | | 1 | | | | | | | | | | | 28 |
| | | | | | | | | | | | | | | 5-6/8 | |
| B BR OUT | | D02J2 | | 1-01 | | | | | | | 1 | | | | 29 |
| B BR OUT | | F02P1 | | 1-02 | | | | | | | 2 | | | | 29 |
| B BR OUT | | F02U2 | | 1-03 | | | | | | | | | | | 29 |
| B BR OUT | | | | 1 | | | | | | | | | | | 29 |
| | | | | | | | | | | | | | | 11-4/8 | |
| B IN | | D02H1 | | 1-01 | | | | | | | 1 | | | | 30 |
| B IN | | E02M1 | | 1-02 | | | | | | | | | | | 30 |
| B IN | | | | 1 | | | | | | | | | | | 30 |
| | | | | | | | | | | | | | | 5-2/8 | |
| B INT A | | D02N1 | | 1-01 | | | | | | | 1 | | | | 31 |
| B INT A | | F02U1 | | 1-02 | | | | | | | | | | | 31 |
| B INT A | | | | 1 | | | | | | | | | | | 31 |
| | | | | | | | | | | | | | | 8-2/8 | |
| B INT B | | C02J1 | | 1-01 | | | | | | | 1 | | | | 32 |
| B INT B | | F02K2 | | 1-02 | | | | | | | | | | | 32 |
| B INT B | | | | 1 | | | | | | | | | | | 32 |
| | | | | | | | | | | | | | | 10-4/8 | |
| B INT ENB A | | D02M1 | | 1-01 | | | | | | | 1 | | | | 33 |
| B INT ENB A | | F02V1 | | 1-02 | | | | | | | | | | | 33 |
| B INT ENB A | | | | 1 | | | | | | | | | | | 33 |
| | | | | | | | | | | | | | | 8-4/8 | |
| B INT ENB B | | C02L1 | | 1-01 | | | | | | | 1 | | | | 34 |
| B INT ENB B | | F02H2 | | 1-02 | | | | | | | | | | | 34 |
| B INT ENB B | | | | 1 | | | | | | | | | | | 34 |
| | | | | | | | | | | | | | | 10-0/8 | |
| B OUT HIGH | | D02K1 | | 1-01 | | | | | | | 1 | | | | 35 |
| B OUT HIGH | | E02M2 | | 1-02 | | | | | | | | | | | 35 |
| B OUT HIGH | | | | 1 | | | | | | | | | | | 35 |
| | | | | | | | | | | | | | | 5-2/8 | |

| D011-C.PC | | HND208.V23(23) 05/24/74 | | | | | | | | | | 12-MAR-75 | | 8143 | | PAGE 5 | |
|-------------|--|-------------------------|-------------|--------------|----------------|---|------|----|----|---|---|-----------|---------|--------|------------|---------------|--|
| RUN NAME | | A/P | PIN NAME | ORDER PIN | HAY - ORDER | Q | DRAW | RV | PG | Y | X | Z | REMARKS | LENGTH | EXCEPTIONS | RUN NUMBER | |
| B OUT LOW | | | D0201 | | 1-01 | | | | | | | 1 | | | | 36 | |
| B OUT LOW | | | E0201 | | 1-02 | | | | | | | | | | | 36 | |
| B OUT LOW | | | | | 1 | | | | | | | | | 5-6/8 | | 36 | |
| B SEL 0 | | | D0201 | | 1-01 | | | | | | | 1 | | | | 37 | |
| B SEL 0 | | | E0202 | | 1-02 | | | | | | | | | | | 37 | |
| B SEL 0 | | | | | 1 | | | | | | | | | 6-0/8 | | 37 | |
| B SEL 4 | | | D0201 | | 1-01 | | | | | | | 1 | | | | 38 | |
| B SEL 4 | | | E0202 | | 1-02 | | | | | | | | | | | 38 | |
| B SEL 4 | | | | | 1 | | | | | | | | | 6-2/8 | | 38 | |
| B SEL 6 | | | D0201 | | 1-01 | | | | | | | 1 | | | | 39 | |
| B SEL 6 | | | E0201 | | 1-02 | | | | | | | | | | | 39 | |
| B SEL 6 | | | | | 1 | | | | | | | | | 6-2/8 | | 39 | |
| B SEP 2 | | | D0201 | | 1-01 | | | | | | | 1 | | | | 40 | |
| B SEP 2 | | | E0202 | | 1-02 | | | | | | | | | | | 40 | |
| B SEP 2 | | | | | 1 | | | | | | | | | 6-0/8 | | 40 | |
| B SSYN IN H | | | D0201 | | 1-01 | | | | | | | 1 | | | | 41 | |
| B SSYN IN H | | | E0201 | | 1-02 | | | | | | | | | | | 41 | |
| B SSYN IN H | | | | | 1 | | | | | | | | | 2-6/8 | | 41 | |
| BB+15 | | | A0201 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE | 42 | |
| BB+15 | | | A0301 | | 1-02 | | | | | | | | | | TO HERE | 42 | |
| BB+15 | | | | | 1 | | | | | | | | | 2-6/8 | | 42 | |
| BB+5 | | | B0201 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE | 43 | |
| BB+5 | | | B0301 | | 1-02 | | | | | | | | | | TO HERE | 43 | |
| BB+5 | | | | | 1 | | | | | | | | | 2-6/8 | | 43 | |
| BB-15 | | | A0201 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE | 44 | |
| BB-15 | | | A0301 | | 1-02 | | | | | | | | | | TO HERE | 44 | |
| BB-15 | | | | | 1 | | | | | | | | | 2-6/8 | | 44 | |
| BBSY I | | | A0102 | | 1-01 * | H | | | | | | 2 | | P | HAND WIRE | 45 | |
| BBSY I | | | A0202 | | 1-02 * | | | | | | | 1 | | | TO HERE | 45 | |
| BBSY L | | | F0101 | | 1-03 * | H | | | | | | 2 | | P | HAND WIRE | 45 | |
| BBSY L | | | F0201 | | 1-04 * | H | | | | | | 1 | | P | HAND WIRE | 45 | |
| BBSY I | | | F0301 | | 1-05 * | H | | | | | | 2 | | P | HAND WIRE | 45 | |
| BBSY L | | | F0401 | | 1-06 * | | | | | | | 1 | | | TO HERE | 45 | |
| BBSY L | | | A0302 | | 1-07 * | H | | | | | | 2 | | P | HAND WIRE | 45 | |
| BBSY L | | | A0402 | | 1-08 * | | | | | | | | | | TO HERE | 45 | |
| BBS: L | | | | | 1 | | | | | | | | | | | 45 | |
| | | | | | | | | | | | | | | 43-2/8 | | 45 | |

| DD11-C, P ² RUN NAME | HND288.V23(23) 05/24/74 | | | | Q | DRAW | RV | PG | Y | X | Z | REMARKS | 12-MAR-75 LENGTH | 8143 EXCEPTIONS | PAGE 6 RUN NUMBER |
|------------------------------------|-------------------------|-------------|--------------|----------------|---|------|----|----|---|---|---|---------|---------------------|-----------------------|-------------------------|
| | A/P | PIN NAME | ORDER PIN | BAY - ORDER | | | | | | | | | | | |
| BG1 A | | B01E2 | | 1-01 | | | | | | | 1 | | | | 46 |
| BG1 A | | D01S2 | | 1-02 | | | | | | | | | | | 46 |
| BG1 A | | | | 1 | | | | | | | | | 8-6/8 | | 46 |
| BG1 B | | D01T2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 47 |
| BG1 A | | D02S2 | | 1-02 | | | | | | | | | | | 47 |
| BG1 A | | | | 1 | | | | | | | | | 2-6/8 | | 47 |
| BG1 C | | D02T2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 48 |
| BG1 C | | D03S2 | | 1-02 | | | | | | | | | | | 48 |
| BG1 C | | | | 1 | | | | | | | | | 2-6/8 | | 48 |
| BG1 D | | D03T2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 49 |
| BG1 D | | D04S2 | | 1-02 | | | | | | | | | | | 49 |
| BG1 D | | | | 1 | | | | | | | | | 2-6/8 | | 49 |
| BG1 F | | B04E2 | | 1-01 | | | | | | | 1 | | | | 50 |
| BG1 F | | D04T2 | | 1-02 | | | | | | | | | | | 50 |
| BG1 F | | | | 1 | | | | | | | | | 9-2/8 | | 50 |
| BG5 A | | B01R1 | | 1-01 | | | | | | | 1 | | | | 51 |
| BG5 A | | D01P2 | | 1-02 | | | | | | | | | | | 51 |
| BG5 A | | | | 1 | | | | | | | | | 9-8/8 | | 51 |
| BG5 B | | D01R2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 52 |
| BG5 B | | D02P2 | | 1-02 | | | | | | | | | | | 52 |
| BG5 B | | | | 1 | | | | | | | | | 2-6/8 | | 52 |
| BG5 C | | D02P2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 53 |
| BG5 C | | D03P2 | | 1-02 | | | | | | | | | | | 53 |
| BG5 C | | | | 1 | | | | | | | | | 2-6/8 | | 53 |
| BG5 D | | D03R2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 54 |
| BG5 D | | D04P2 | | 1-02 | | | | | | | | | | | 54 |
| BG5 D | | | | 1 | | | | | | | | | 2-6/8 | | 54 |
| BG5 F | | B04R1 | | 1-01 | | | | | | | 1 | | | | 55 |
| BG5 F | | D04P2 | | 1-02 | | | | | | | | | | | 55 |
| BG5 F | | | | 1 | | | | | | | | | 9-2/8 | | 55 |
| BG6 A | | B01A1 | | 1-01 | | | | | | | 1 | | | | 56 |
| BG6 A | | D01M2 | | 1-02 | | | | | | | | | | | 56 |
| BG6 A | | | | 1 | | | | | | | | | 9-8/8 | | 56 |
| BG6 B | | D01M2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 57 |
| BG6 B | | D02M2 | | 1-02 | | | | | | | | | | | 57 |
| BG6 B | | | | 1 | | | | | | | | | 2-6/8 | | 57 |

| DD11-C, P ² RUN NAME | HND288.V23(23) 05/24/74 | | | | Q | DRAW | RV | PG | Y | X | Z | REMARKS | 12-MAR-75 LENGTH | 8143 EXCEPTIONS | PAGE 7 RUN NUMBER |
|------------------------------------|-------------------------|-------------|--------------|----------------|---|------|----|----|---|---|---|---------|---------------------|-----------------------|-------------------------|
| | A/P | PIN NAME | ORDER PIN | BAY - ORDER | | | | | | | | | | | |
| BG6 C | | D02N2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 58 |
| BG6 C | | D03M2 | | 1-02 | | | | | | | | | | | 58 |
| BG6 C | | | | 1 | | | | | | | | | 2-6/8 | | 58 |
| BG6 D | | D03N2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 59 |
| BG6 D | | D04M2 | | 1-02 | | | | | | | | | | | 59 |
| BG6 D | | | | 1 | | | | | | | | | 2-6/8 | | 59 |
| BG6 E | | B04A1 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 60 |
| BG6 E | | D04N2 | | 1-02 | | | | | | | | | | | 60 |
| BG6 E | | | | 1 | | | | | | | | | 9-2/8 | | 60 |
| BG7 A | | A01V1 | | 1-01 | | | | | | | 1 | | | | 61 |
| BG7 A | | D01K2 | | 1-02 | | | | | | | | | | | 61 |
| BG7 A | | | | 1 | | | | | | | | | 9-2/8 | | 61 |
| BG7 B | | D01L2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 62 |
| BG7 B | | D02K2 | | 1-02 | | | | | | | | | | | 62 |
| BG7 B | | | | 1 | | | | | | | | | 2-6/8 | | 62 |
| BG7 C | | D02L2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 63 |
| BG7 C | | D03K2 | | 1-02 | | | | | | | | | | | 63 |
| BG7 C | | | | 1 | | | | | | | | | 2-6/8 | | 63 |
| BG7 D | | D03L2 | | 1-01 | H | | | | | | 1 | | P | H TO WHERE TO HERE | 64 |
| BG7 D | | D04K2 | | 1-02 | | | | | | | | | | | 64 |
| BG7 D | | | | 1 | | | | | | | | | 2-6/8 | | 64 |
| BG7 E | | A04V1 | | 1-01 | | | | | | | 1 | | | | 65 |
| BG7 E | | D04L2 | | 1-02 | | | | | | | | | | | 65 |
| BG7 E | | | | 1 | | | | | | | | | 9-4/8 | | 65 |
| BR4 L | | B01D2 | | 1-01 * | H | | | | | | 2 | | P | HAND WIRE TO HERE | 66 |
| BR4 L | | B02D2 | | 1-02 * | | | | | | | 1 | | | | 66 |
| BR4 L | | D01H2 | | 1-03 * | H | | | | | | 2 | | P | HAND WIRE | 66 |
| BR4 L | | D02H2 | | 1-04 * | H | | | | | | 1 | | P | HAND WIRE | 66 |
| BR4 L | | D03H2 | | 1-05 * | H | | | | | | 2 | | P | HAND WIRE | 66 |
| BR4 L | | D04H2 | | 1-06 * | | | | | | | 1 | | | | 66 |
| BR4 L | | B03D2 | | 1-07 * | H | | | | | | 2 | | P | HAND WIRE TO HERE | 66 |
| BR4 L | | B04D2 | | 1-08 * | | | | | | | | | | | 66 |
| BR4 L | | | | 1 | | | | | | | | | 30-2/8 | | 66 |

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| RUN NAME | | A/P | PIN NAME | ORDER PIN | BAY - ORDER | Q | DRAW | RV | PG | Y | X | Z | REMARKS | LENGTH | EXCEPTIONS | RUN NUMBER |
| BR5 | L | | B01C1 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 67 |
| BR5 | L | | B02C1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 67 |
| BR5 | L | | D01F2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 67 |
| BR5 | L | | D02F2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 67 |
| BR5 | L | | D03F2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 67 |
| BR5 | L | | D04F2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 67 |
| BR5 | L | | B03C1 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 67 |
| BR5 | L | | B04C1 | | 1-08 * | | | | | | | | | | TO HERE | 67 |
| BR5 | L | | | | 1 | | | | | | | | | 30-0/8 | | 67 |
| BR6 | L | | A01U2 | | 1-01 * | | | | | | | 2 | | | | 68 |
| BR6 | L | | A02U2 | | 1-02 * | | | | | | | 1 | | | | 68 |
| BR6 | L | | D01E2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 68 |
| BR6 | L | | D02E2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 68 |
| BR6 | L | | D03E2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 68 |
| BR6 | L | | D04E2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 68 |
| BR6 | L | | A03U2 | | 1-07 * | | | | | | | 2 | | | | 68 |
| BR6 | L | | A04U2 | | 1-08 * | | | | | | | | | | | 68 |
| BR6 | L | | | | 1 | | | | | | | | | 31-6/8 | | 68 |
| BR7 | L | | A01T2 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 69 |
| BR7 | L | | A02T2 | | 1-02 * | | | | | | | 1 | | | TO HERE | 69 |
| BR7 | L | | D01D2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 69 |
| BR7 | L | | D02D2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 69 |
| BR7 | L | | D03D2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 69 |
| BR7 | L | | D04D2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 69 |
| BR7 | L | | A03T2 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 69 |
| BR7 | L | | A04T2 | | 1-08 * | | | | | | | | | | TO HERE | 69 |
| BR7 | L | | | | 1 | | | | | | | | | 31-6/8 | | 69 |
| BUS A00 | L | | B01H2 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 70 |
| BUS A00 | L | | B02H2 | | 1-02 * | | | | | | | 1 | | | TO HERE | 70 |
| BUS A00 | L | | E01H2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 70 |
| BUS A00 | L | | E02H2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 70 |
| BUS A00 | L | | E03H2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 70 |
| BUS A00 | L | | E04H2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 70 |
| BUS A00 | L | | B03H2 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 70 |
| BUS A00 | L | | B04H2 | | 1-08 * | | | | | | | | | | TO HERE | 70 |
| BUS A00 | L | | | | 1 | | | | | | | | | 34-2/8 | | 70 |

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| RUN NAME | | A/P | PIN NAME | ORDER PIN | BAY - ORDER | Q | DRAW | RV | PG | Y | X | Z | REMARKS | LENGTH | EXCEPTIONS | RUN NUMBER |
| BUS A01 L | | | B01H1 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 71 |
| BUS A01 L | | | B02H1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 71 |
| BUS A01 L | | | E01H1 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 71 |
| BUS A01 L | | | E02H1 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 71 |
| BUS A01 L | | | E03H1 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 71 |
| BUS A01 L | | | E04H1 | | 1-06 * | | | | | | | 1 | | | TO HERE | 71 |
| BUS A01 L | | | B03H1 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 71 |
| BUS A01 L | | | B04H1 | | 1-08 * | | | | | | | | | | TO HERE | 71 |
| BUS A01 L | | | | | 1 | | | | | | | | | 34-2/8 | | 71 |
| BUS A02 L | | | B01J2 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 72 |
| BUS A02 L | | | B02J2 | | 1-02 * | | | | | | | 1 | | | TO HERE | 72 |
| BUS A02 L | | | E01F1 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 72 |
| BUS A02 L | | | E02F1 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 72 |
| BUS A02 L | | | E03F1 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 72 |
| BUS A02 L | | | E04F1 | | 1-06 * | | | | | | | 1 | | | TO HERE | 72 |
| BUS A02 L | | | B03J2 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 72 |
| BUS A02 L | | | B04J2 | | 1-08 * | | | | | | | | | | TO HERE | 72 |
| BUS A02 L | | | | | 1 | | | | | | | | | 34-0/8 | | 72 |
| BUS A03 L | | | B01J1 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 73 |
| BUS A03 L | | | B02J1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 73 |
| BUS A03 L | | | E01V2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 73 |
| BUS A03 L | | | E02V2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 73 |
| BUS A03 L | | | E03V2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 73 |
| BUS A03 L | | | E04V2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 73 |
| BUS A03 L | | | B03J1 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 73 |
| BUS A03 L | | | B04J1 | | 1-08 * | | | | | | | | | | TO HERE | 73 |
| BUS A03 L | | | | | 1 | | | | | | | | | 37-0/8 | | 73 |
| BUS A04 L | | | B01K2 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 74 |
| BUS A04 L | | | B02K2 | | 1-02 * | | | | | | | 1 | | | TO HERE | 74 |
| BUS A04 L | | | E01U2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 74 |
| BUS A04 L | | | E02U2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 74 |
| BUS A04 L | | | E03U2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 74 |
| BUS A04 L | | | E04U2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 74 |
| BUS A04 L | | | B03K2 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 74 |
| BUS A04 L | | | B04K2 | | 1-08 * | | | | | | | | | | TO HERE | 74 |
| BUS A04 L | | | | | 1 | | | | | | | | | 36-2/8 | | 74 |

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| RUN NAME | | A/P | PIN | ORDER | BAY - | Q | DRAW | RV | PG | Y | X | Z | REMARKS | LENGTH | EXCEPTIONS | RUN NUMBER | |
| | | | NAME | PIN | ORDER | | | | | | | | | | | | |
| BUS | A13 L | | B01P1 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 83 | |
| BUS | A13 L | | B02P1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 83 | |
| BUS | A13 L | | E01K2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 83 | |
| BUS | A13 L | | E02K2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 83 | |
| BUS | A13 L | | E03K2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 83 | |
| BUS | A13 L | | E04K2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 83 | |
| BUS | A13 L | | B03P1 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 83 | |
| BUS | A13 L | | B04P1 | | 1-08 * | | | | | | | | | | TO HERE | 83 | |
| BUS | A13 L | | | | 1 | | | | | | | | | 33-4/8 | | 83 | |
| BUS | A14 L | | B01R2 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 84 | |
| BUS | A14 L | | B02R2 | | 1-02 * | | | | | | | 1 | | | TO HERE | 84 | |
| BUS | A14 L | | E01K1 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 84 | |
| BUS | A14 L | | E02K1 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 84 | |
| BUS | A14 L | | E03K1 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 84 | |
| BUS | A14 L | | E04K1 | | 1-06 * | | | | | | | 1 | | | TO HERE | 84 | |
| BUS | A14 L | | B03R2 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 84 | |
| BUS | A14 L | | B04R2 | | 1-08 * | | | | | | | | | | TO HERE | 84 | |
| BUS | A14 L | | | | 1 | | | | | | | | | 33-0/8 | | 84 | |
| BUS | A15 L | | B01R1 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 85 | |
| BUS | A15 L | | B02R1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 85 | |
| BUS | A15 L | | E01D2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 85 | |
| BUS | A15 L | | E02D2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 85 | |
| BUS | A15 L | | E03D2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 85 | |
| BUS | A15 L | | E04D2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 85 | |
| BUS | A15 L | | B03R1 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 85 | |
| BUS | A15 L | | B04R1 | | 1-08 * | | | | | | | | | | TO HERE | 85 | |
| BUS | A15 L | | | | 1 | | | | | | | | | 32-0/8 | | 85 | |
| BUS | A16 L | | B01S2 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 86 | |
| BUS | A16 L | | B02S2 | | 1-02 * | | | | | | | 1 | | | TO HERE | 86 | |
| BUS | A16 L | | E01E2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 86 | |
| BUS | A16 L | | E02E2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 86 | |
| BUS | A16 L | | E03E2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 86 | |
| BUS | A16 L | | E04E2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 86 | |
| BUS | A16 L | | B03S2 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 86 | |
| BUS | A16 L | | B04S2 | | 1-08 * | | | | | | | | | | TO HERE | 86 | |
| BUS | A16 L | | | | 1 | | | | | | | | | 31-6/8 | | 86 | |

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| RUN NAME | | A/P | PIN NAME | ORDER PIN | BAY - ORDER | Q | DRAW | RV | PG | Y | X | Z | REMARKS | LENGTH | EXCEPTIONS | RUN NUMBER | |
| BUS | A17 L | | B01S1 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 87 | |
| BUS | A17 L | | B02S1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 87 | |
| BUS | A17 L | | E01D1 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 87 | |
| BUS | A17 L | | E02D1 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 87 | |
| BUS | A17 L | | E03D1 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 87 | |
| BUS | A17 L | | E04D1 | | 1-06 * | | | | | | | 1 | | | TO HERE | 87 | |
| BUS | A17 L | | B03S1 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 87 | |
| BUS | A17 L | | B04S1 | | 1-08 * | | | | | | | | | | TO HERE | 87 | |
| BUS | A17 L | | | | 1 | | | | | | | | | 31-6/8 | | 87 | |
| BUS | D00 L | | A01C1 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 88 | |
| BUS | D00 L | | A02C1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 88 | |
| BUS | D00 L | | C01S2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 88 | |
| BUS | D00 L | | C02S2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 88 | |
| BUS | D00 L | | C03S2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 88 | |
| BUS | D00 L | | C04S2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 88 | |
| BUS | D00 L | | A03C1 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 88 | |
| BUS | D00 L | | A04C1 | | 1-08 * | | | | | | | | | | TO HERE | 88 | |
| BUS | D00 L | | | | 1 | | | | | | | | | 32-4/8 | | 88 | |
| BUS | D01 L | | A01D2 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 89 | |
| BUS | D01 L | | A02D2 | | 1-02 * | | | | | | | 1 | | | TO HERE | 89 | |
| BUS | D01 L | | C01R2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 89 | |
| BUS | D01 L | | C02R2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 89 | |
| BUS | D01 L | | C03R2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 89 | |
| BUS | D01 L | | C04R2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 89 | |
| BUS | D01 L | | A03D2 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 89 | |
| BUS | D01 L | | A04D2 | | 1-08 * | | | | | | | | | | TO HERE | 89 | |
| BUS | D01 L | | | | 1 | | | | | | | | | 31-6/8 | | 89 | |
| BUS | D02 L | | F01E2 | | 1-01 | H | | | | | | 2 | P | | H TO WHERE | 90 | |
| BUS | D02 L | | F02E2 | | 1-02 | H | | | | | | 1 | P | | H TO WHERE | 90 | |
| BUS | D02 L | | F03E2 | | 1-03 | H | | | | | | 2 | P | | H TO WHERE | 90 | |
| BUS | D02 L | | F04E2 | | 1-04 | | | | | | | | | | TO HERE | 90 | |
| BUS | D02 L | | | | 1 | | | | | | | | | 8-2/8 | | 90 | |
| BUS | D02 L | | A01D1 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 91 | |
| BUS | D02 L | | A02D1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 91 | |
| BUS | D02 L | | C01U2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 91 | |
| BUS | D02 L | | C02U2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 91 | |
| BUS | D02 L | | C03U2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 91 | |
| BUS | D02 L | | C04U2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 91 | |
| BUS | D02 L | | A03D1 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 91 | |
| BUS | D02 L | | A04D1 | | 1-08 * | | | | | | | | | | TO HERE | 91 | |
| BUS | D02 L | | | | 1 | | | | | | | | | 32-6/8 | | 91 | |

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| RUN | NAME | A/P | PIN NAME | ORDER PIN | BAY - OROER | Q | DRAW | RV | PG | Y | X | Z | REMARKS | LENGTH | EXCEPTIONS | RUN NUMBER | |
| BUS D02 L JMP | | | C02U2 | | 1-01 | | | | | | | 1 | | | | 92 | |
| BUS D02 L JMP | | | F02E2 | | 1-02 | | | | | | | | | | | 92 | |
| BUS D02 L JMP | | | | | 1 | | | | | | | | | 8-6/8 | | 92 | |
| BUS D03 L | | | F01L1 | | 1-01 | H | | | | | | 2 | P | | H TO WHERE | 93 | |
| BUS D03 L | | | F02L1 | | 1-02 | H | | | | | | 1 | P | | H TO WHERE | 93 | |
| BUS D03 L | | | F03L1 | | 1-03 | H | | | | | | 2 | P | | H TO WHERE | 93 | |
| BUS D03 L | | | F04L1 | | 1-04 | | | | | | | | | | TO HERE | 93 | |
| BUS D03 L | | | | | 1 | | | | | | | | | 8-2/8 | | 93 | |
| BUS D03 L | | | A01E2 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 94 | |
| BUS D03 L | | | A02E2 | | 1-02 * | | | | | | | 1 | | | TO HERE | 94 | |
| BUS D03 L | | | C01T2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 94 | |
| BUS D03 L | | | C02T2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 94 | |
| BUS D03 L | | | C03T2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 94 | |
| BUS D03 L | | | C04T2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 94 | |
| BUS D03 L | | | A03E2 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 94 | |
| BUS D03 L | | | A04E2 | | 1-08 * | | | | | | | | | | TO HERE | 94 | |
| BUS D03 L | | | | | 1 | | | | | | | | | 32-2/8 | | 94 | |
| BUS D03 L JMP | | | C02T2 | | 1-01 | | | | | | | 1 | | | | 95 | |
| BUS D03 L JMP | | | F02L1 | | 1-02 | | | | | | | | | | | 95 | |
| BUS D03 L JMP | | | | | 1 | | | | | | | | | 9-6/8 | | 95 | |
| BUS D04 L | | | F01N2 | | 1-01 | H | | | | | | 2 | P | | H TO WHERE | 96 | |
| BUS D04 L | | | F02N2 | | 1-02 | H | | | | | | 1 | P | | H TO WHERE | 96 | |
| BUS D04 L | | | F03N2 | | 1-03 | H | | | | | | 2 | P | | H TO WHERE | 96 | |
| BUS D04 L | | | F04N2 | | 1-04 | | | | | | | | | | TO HERE | 96 | |
| BUS D04 L | | | | | 1 | | | | | | | | | 8-2/8 | | 96 | |
| BUS D04 L | | | A01E1 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 97 | |
| BUS D04 L | | | A02E1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 97 | |
| BUS D04 L | | | C01N2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 97 | |
| BUS D04 L | | | C02N2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 97 | |
| BUS D04 L | | | C03N2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 97 | |
| BUS D04 L | | | C04N2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 97 | |
| BUS D04 L | | | A03E1 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 97 | |
| BUS D04 L | | | A04E1 | | 1-08 * | | | | | | | | | | TO HERE | 97 | |
| BUS D04 L | | | | | 1 | | | | | | | | | 31-0/8 | | 97 | |
| BUS D04 L JMP | | | C02N2 | | 1-01 | | | | | | | 1 | | | | 98 | |
| BUS D04 L JMP | | | F02N2 | | 1-02 | | | | | | | | | | | 98 | |
| BUS D04 L JMP | | | | | 1 | | | | | | | | | 10-2/8 | | 98 | |

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|-----------|-------|-------------------------|-------------|--------------|----------------|---|------|----|----|---|---|-----------|---------|--------|------------|---------------|--|
| RUN | NAME | A/P | PIN NAME | ORDER PIN | BAY - ORDER | Q | DRAW | RV | PG | Y | X | Z | REMARKS | LENGTH | EXCEPTIONS | RUN NUMBER | |
| BUS D05 | L | | F01F1 | | 1-01 | H | | | | | | 2 | P | | H TO WHERE | 99 | |
| BUS D05 | L | | F02F1 | | 1-02 | H | | | | | | 1 | P | | H TO WHERE | 99 | |
| BUS D05 | L | | F03F1 | | 1-03 | H | | | | | | 2 | P | | H TO WHERE | 99 | |
| BUS D05 | L | | F04F1 | | 1-04 | | | | | | | | | | TO HERE | 99 | |
| BUS D05 | L | | | | 1 | | | | | | | | | 8-2/8 | | 99 | |
| BUS D05 | L | | A01F2 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 100 | |
| BUS D05 | L | | A02F2 | | 1-02 * | | | | | | | 1 | | | TO HERE | 100 | |
| BUS D05 | L | | C01P2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 100 | |
| BUS D05 | L | | C02P2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 100 | |
| BUS D05 | L | | C03P2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 100 | |
| BUS D05 | L | | C04P2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 100 | |
| BUS D05 | L | | A03F2 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 100 | |
| BUS D05 | L | | A04F2 | | 1-08 * | | | | | | | | | | TO HERE | 100 | |
| BUS D05 | L | | | | 1 | | | | | | | | | 31-2/8 | | 100 | |
| BUS D05 | L JMP | | C02P2 | | 1-01 | | | | | | | 1 | | | | 101 | |
| BUS D05 | L JMP | | F02F1 | | 1-02 | | | | | | | | | | | 101 | |
| BUS D05 | L JMP | | | | 1 | | | | | | | | | 9-4/8 | | 101 | |
| BUS D06 | L | | F01F2 | | 1-01 | H | | | | | | 2 | P | | H TO WHERE | 102 | |
| BUS D06 | L | | F02F2 | | 1-02 | H | | | | | | 1 | P | | H TO WHERE | 102 | |
| BUS D06 | L | | F03F2 | | 1-03 | H | | | | | | 2 | P | | H TO WHERE | 102 | |
| BUS D06 | L | | F04F2 | | 1-04 | | | | | | | | | | TO HERE | 102 | |
| BUS D06 | L | | | | 1 | | | | | | | | | 8-2/8 | | 102 | |
| BUS D06 | L | | A01F1 | | 1-01 * | H | | | | | | 2 | P | | HAND WIRE | 103 | |
| BUS D06 | L | | A02F1 | | 1-02 * | | | | | | | 1 | | | TO HERE | 103 | |
| BUS D06 | L | | C01V2 | | 1-03 * | H | | | | | | 2 | P | | HAND WIRE | 103 | |
| BUS D06 | L | | C02V2 | | 1-04 * | H | | | | | | 1 | P | | HAND WIRE | 103 | |
| BUS D06 | L | | C03V2 | | 1-05 * | H | | | | | | 2 | P | | HAND WIRE | 103 | |
| BUS D06 | L | | C04V2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 103 | |
| BUS D06 | L | | A03F1 | | 1-07 * | H | | | | | | 2 | P | | HAND WIRE | 103 | |
| BUS D06 | L | | A04F1 | | 1-08 * | | | | | | | | | | TO HERE | 103 | |
| BUS D06 | L | | | | 1 | | | | | | | | | 32-4/8 | | 103 | |
| BUS D06 | L JMP | | C02V2 | | 1-01 | | | | | | | 1 | | | | 104 | |
| BUS D06 | L JMP | | F02F2 | | 1-02 | | | | | | | | | | | 104 | |
| BUS D06 | L JMP | | | | 1 | | | | | | | | | 8-6/8 | | 104 | |
| BUS D07 | L | | F01H1 | | 1-01 | H | | | | | | 2 | P | | H TO WHERE | 105 | |
| BUS D07 | L | | F02H1 | | 1-02 | H | | | | | | 1 | P | | H TO WHERE | 105 | |
| BUS D07 | L | | F03H1 | | 1-03 | H | | | | | | 2 | P | | H TO WHERE | 105 | |
| BUS D07 | L | | F04H1 | | 1-04 | | | | | | | | | | TO HERE | 105 | |
| BUS D07 | L | | | | 1 | | | | | | | | | 8-2/8 | | 105 | |

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|-----------|--|-------------------------|-------|-------|--------|---|------|----|----|---|---|-----------|---------|--------|------------|---------|--------|
| RUN NAME | | A/P | PIN | ORDER | BAY - | Q | DRAW | RV | PG | Y | X | Z | REMARKS | LENGTH | EXCEPTIONS | RUN | NUMBER |
| | | | NAME | PIN | ORDER | | | | | | | | | | | | |
| BUS D14 L | | | A01L1 | | 1-01 * | H | | | | | | 2 | | P | HAND WIRE | 116 | |
| BUS D14 L | | | A02L1 | | 1-02 * | | | | | | | 1 | | | TD HERE | 116 | |
| BUS D14 L | | | C01E2 | | 1-03 * | H | | | | | | 2 | | P | HAND WIRE | 116 | |
| BUS D14 L | | | C02E2 | | 1-04 * | H | | | | | | 1 | | P | HAND WIRE | 116 | |
| BUS D14 L | | | C03E2 | | 1-05 * | H | | | | | | 2 | | P | HAND WIRE | 116 | |
| BUS D14 L | | | C04E2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 116 | |
| BUS D14 L | | | A03L1 | | 1-07 * | H | | | | | | 2 | | P | HAND WIRE | 116 | |
| BUS D14 L | | | A04L1 | | 1-08 * | | | | | | | | | | TO HERE | 116 | |
| BUS D14 L | | | | | 1 | | | | | | | | | | 20-2/8 | 116 | |
| BUS D15 L | | | A01M2 | | 1-01 * | H | | | | | | 2 | | P | HAND WIRE | 117 | |
| BUS D15 L | | | A02M2 | | 1-02 * | | | | | | | 1 | | | TD HERE | 117 | |
| BUS D15 L | | | C01D2 | | 1-03 * | | | | | | | 2 | | | | 117 | |
| BUS D15 L | | | C02D2 | | 1-04 * | | | | | | | 1 | | | | 117 | |
| BUS D15 L | | | C03D2 | | 1-05 * | | | | | | | 2 | | | | 117 | |
| BUS D15 L | | | C04D2 | | 1-06 * | | | | | | | 1 | | | | 117 | |
| BUS D15 L | | | A03M2 | | 1-07 * | H | | | | | | 2 | | P | HAND WIRE | 117 | |
| BUS D15 L | | | A04M2 | | 1-08 * | | | | | | | | | | TD HERE | 117 | |
| BUS D15 L | | | | | 1 | | | | | | | | | | 27-6/8 | 117 | |
| C 0G IN | | | D03U2 | | 1-01 | | | | | | | 1 | | | | 118 | |
| C 0G IN | | | F03B1 | | 1-02 | | | | | | | | | | | 118 | |
| C 0G IN | | | | | 1 | | | | | | | | | | 5-6/8 | 118 | |
| C 0G OUT | | | D03V2 | | 1-01 | | | | | | | 1 | | | | 119 | |
| C 0G OUT | | | F03A1 | | 1-02 | | | | | | | | | | | 119 | |
| C 0G OUT | | | | | 1 | | | | | | | | | | 5-6/8 | 119 | |
| C 0R OUT | | | D03J2 | | 1-01 | | | | | | | 1 | | | | 120 | |
| C 0R OUT | | | F03P1 | | 1-02 | | | | | | | 2 | | | | 120 | |
| C 0R OUT | | | F03U2 | | 1-03 | | | | | | | | | | | 120 | |
| C 0R OUT | | | | | 1 | | | | | | | | | | 11-4/8 | 120 | |
| C IN | | | D03H1 | | 1-01 | | | | | | | 1 | | | | 121 | |
| C IN | | | E03M1 | | 1-02 | | | | | | | | | | | 121 | |
| C IN | | | | | 1 | | | | | | | | | | 5-2/8 | 121 | |
| C INT A | | | D03N1 | | 1-01 | | | | | | | 1 | | | | 122 | |
| C INT A | | | F03U1 | | 1-02 | | | | | | | | | | | 122 | |
| C INT A | | | | | 1 | | | | | | | | | | 8-2/8 | 122 | |
| C INT B | | | C03J1 | | 1-01 | | | | | | | 1 | | | | 123 | |
| C INT B | | | F03K2 | | 1-02 | | | | | | | | | | | 123 | |
| C INT B | | | | | 1 | | | | | | | | | | 10-4/8 | 123 | |

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|-------------|--|-------------------------|-------|-------|--------|---|------|----|----|---|---|-----------|---------|--------|------------|---------|--------|
| RUN NAME | | A/P | PIN | ORDER | BAY - | Q | DRAW | RV | PG | Y | X | Z | REMARKS | LENGTH | EXCEPTIONS | RUN | NUMBER |
| | | | NAME | PIN | ORDER | | | | | | | | | | | | |
| C INT ENB A | | | D03M1 | | 1-01 | | | | | | | 1 | | | | 124 | |
| C INT ENB A | | | F03V1 | | 1-02 | | | | | | | | | | | 124 | |
| C INT ENB A | | | | | 1 | | | | | | | | | | 8-4/8 | 124 | |
| C INT ENB B | | | C03L1 | | 1-01 | | | | | | | 1 | | | | 125 | |
| C INT ENB B | | | F03H2 | | 1-02 | | | | | | | | | | | 125 | |
| C INT ENB B | | | | | 1 | | | | | | | | | | 10-0/8 | 125 | |
| C OUT HIGH | | | D03K1 | | 1-01 | | | | | | | 1 | | | | 126 | |
| C OUT HIGH | | | E03M2 | | 1-02 | | | | | | | | | | | 126 | |
| C OUT HIGH | | | | | 1 | | | | | | | | | | 5-2/8 | 126 | |
| C OUT LOW | | | D03D1 | | 1-01 | | | | | | | 1 | | | | 127 | |
| C OUT LDW | | | E03N1 | | 1-02 | | | | | | | | | | | 127 | |
| C OUT LDW | | | | | 1 | | | | | | | | | | 5-6/8 | 127 | |
| C SEL 0 | | | D03F1 | | 1-01 | | | | | | | 1 | | | | 128 | |
| C SEL 0 | | | F03S2 | | 1-02 | | | | | | | | | | | 128 | |
| C SEL 0 | | | | | 1 | | | | | | | | | | 6-0/8 | 128 | |
| C SEL 4 | | | D03E1 | | 1-01 | | | | | | | 1 | | | | 129 | |
| C SEL 4 | | | E03R2 | | 1-02 | | | | | | | | | | | 129 | |
| C SEL 4 | | | | | 1 | | | | | | | | | | 6-2/8 | 129 | |
| C SEL 6 | | | D03C1 | | 1-01 | | | | | | | 1 | | | | 130 | |
| C SEL 6 | | | E03S1 | | 1-02 | | | | | | | | | | | 130 | |
| C SEL 6 | | | | | 1 | | | | | | | | | | 6-2/8 | 130 | |
| C SER 2 | | | D03J1 | | 1-01 | | | | | | | 1 | | | | 131 | |
| C SER 2 | | | E03T2 | | 1-02 | | | | | | | | | | | 131 | |
| C SER 2 | | | | | 1 | | | | | | | | | | 6-0/8 | 131 | |
| C SSYN IN H | | | D03V1 | | 1-01 | | | | | | | 1 | | | | 132 | |
| C SSYN IN H | | | E03H1 | | 1-02 | | | | | | | | | | | 132 | |
| C SSYN IN H | | | | | 1 | | | | | | | | | | 2-6/8 | 132 | |
| C0 L | | | R01U2 | | 1-01 * | | | | | | | 2 | | | | 133 | |
| C0 L | | | S02U2 | | 1-02 * | | | | | | | 1 | | | | 133 | |
| C0 L | | | F01J2 | | 1-03 * | H | | | | | | 2 | | P | HAND WIRE | 133 | |
| C0 L | | | E02J2 | | 1-04 * | H | | | | | | 1 | | P | HAND WIRE | 133 | |
| C0 L | | | F03J2 | | 1-05 * | H | | | | | | 2 | | P | HAND WIRE | 133 | |
| C0 L | | | E04J2 | | 1-06 * | | | | | | | 1 | | | TO HERE | 133 | |
| C0 L | | | F03U2 | | 1-07 * | | | | | | | 2 | | | | 133 | |
| C0 L | | | R04U2 | | 1-08 * | | | | | | | | | | | 133 | |
| C0 L | | | | | 1 | | | | | | | | | | 32-2/8 | 133 | |

| DD11-C,PO RUN NAME | HND288.V23(23) 05/24/74 A/P PIN ORDER BAY - Q DRAW RV PG Y X Z REMARKS | 12-MAR-75 LENGTH | 8143 EXCEPTIONS | PAGE 20 RUN NUMBER |
|-----------------------|---|---------------------|--------------------|--------------------------|
| C1 L | B01T2 1-01 * H | | | 134 |
| C1 L | B02T2 1-02 * | | | 134 |
| C1 L | E01F2 1-03 * H | | | 134 |
| C1 L | E02F2 1-04 * H | | | 134 |
| C1 L | E03F2 1-05 * H | | | 134 |
| C1 L | E04F2 1-06 * | | | 134 |
| C1 L | B03T2 1-07 * H | | | 134 |
| C1 L | B04T2 1-08 * | | | 134 |
| C1 L | 1 | 31-6/8 | | 134 |
| D BG IN | D04U2 1-01 | | | 135 |
| D BG IN | F04B1 1-02 | | | 135 |
| D BG IN | 1 | 5-6/8 | | 135 |
| D BG OUT | D04V2 1-01 | | | 136 |
| D BG OUT | F04A1 1-02 | | | 136 |
| D BG OUT | 1 | 5-6/8 | | 136 |
| D BR OUT | D04J2 1-01 | | | 137 |
| D BR OUT | F04P1 1-02 | | | 137 |
| D BR OUT | F04U2 1-03 | | | 137 |
| D BR OUT | 1 | 11-4/8 | | 137 |
| D IN | D04H1 1-01 | | | 138 |
| D IN | E04M1 1-02 | | | 138 |
| D IN | 1 | 5-2/8 | | 138 |
| D INT A | D04N1 1-01 | | | 139 |
| D INT A | F04U1 1-02 | | | 139 |
| D INT A | 1 | 8-2/8 | | 139 |
| D INT B | C04J1 1-01 | | | 140 |
| D INT B | F04K2 1-02 | | | 140 |
| D INT B | 1 | 10-4/8 | | 140 |
| D INT ENR A | D04M1 1-01 | | | 141 |
| D INT ENR A | F04V1 1-02 | | | 141 |
| D INT ENR A | 1 | 8-4/8 | | 141 |
| D INT ENR B | C04L1 1-01 | | | 142 |
| D INT ENR B | F04H2 1-02 | | | 142 |
| D INT ENR B | 1 | 10-0/8 | | 142 |
| D OUT HIGH | D04K1 1-01 | | | 143 |
| D OUT HIGH | E04M2 1-02 | | | 143 |
| D OUT HIGH | 1 | 5-2/8 | | 143 |

| DD11-C,PO RUN NAME | HND288.V23(23) 05/24/74 A/P PIN ORDER BAY - Q DRAW RV PG Y X Z REMARKS | 12-MAR-75 LENGTH | 8143 EXCEPTIONS | PAGE 21 RUN NUMBER |
|-----------------------|---|---------------------|--------------------|--------------------------|
| D OUT LOW | D04D1 1-01 | | | 144 |
| D OUT LOW | E04N1 1-02 | | | 144 |
| D OUT LOW | 1 | 5-6/8 | | 144 |
| D SEL 0 | D04F1 1-01 | | | 145 |
| D SEL 0 | F04S2 1-02 | | | 145 |
| D SEL 0 | 1 | 6-0/8 | | 145 |
| D SEL 4 | D04E1 1-01 | | | 146 |
| D SEL 4 | E04R2 1-02 | | | 146 |
| D SEL 4 | 1 | 6-2/8 | | 146 |
| D SEL 6 | D04C1 1-01 | | | 147 |
| D SEL 6 | E04S1 1-02 | | | 147 |
| D SEL 6 | 1 | 6-2/8 | | 147 |
| D SER 2 | D04J1 1-01 | | | 148 |
| D SER 2 | E04T2 1-02 | | | 148 |
| D SER 2 | 1 | 6-0/8 | | 148 |
| D SSYN IN H | D04V1 1-01 | | | 149 |
| D SSYN IN H | E04R1 1-02 | | | 149 |
| D SSYN IN H | 1 | 2-6/8 | | 149 |
| DC L | B01F2 1-01 * H | | | 150 |
| DC L | B02F2 1-02 * | | | 150 |
| DC L | C01N1 1-03 * H | | | 150 |
| DC L | C02N1 1-04 * H | | | 150 |
| DC L | C03N1 1-05 * H | | | 150 |
| DC L | C04N1 1-06 * | | | 150 |
| DC L | B03F2 1-07 * H | | | 150 |
| DC L | B04F2 1-08 * | | | 150 |
| DC L | 1 | 25-4/8 | | 150 |
| F01D2 | F01D2 1-01 | | | 151 |
| F01D2 | F01P2 1-02 | | | 151 |
| F01D2 | F01N1 1-03 | | | 151 |
| F01D2 | 1 | 6-2/8 | | 151 |
| F01E1 | F01E1 1-01 | | | 152 |
| F01E1 | F01V2 1-02 | | | 152 |
| F01E1 | 1 | 4-2/8 | | 152 |
| F01L2 | F01L2 1-01 | | | 153 |
| F01L2 | F01R1 1-02 | | | 153 |
| F01L2 | 1 | 3-0/8 | | 153 |

| DD11-C,P0 RUN NAME | HND288,V23(23) 05/24/74 | | | | Q | DRAW | RV | PG | Y | X | Z | REMARKS | 12-MAR-75 LENGTH | 8143 EXCEPTIONS | PAGE 22 RUN NUMBER |
|-----------------------|-------------------------|-------------|--------------|----------------|---|------|----|----|---|---|---|---------|---------------------|--------------------|--------------------------|
| | A/P | PIN NAME | ORDER PIN | PAY - ORDER | | | | | | | | | | | |
| F01M2 | | F01M2 | | 1-01 | | | | | | | 1 | | | | 154 |
| F01M2 | | F01S1 | | 1-02 | | | | | | | | | 3-0/8 | | 154 |
| F01M2 | | | | 1 | | | | | | | | | | | 154 |
| F01P2 | | F01P2 | | 1-01 | | | | | | | 1 | | | | 155 |
| F01P2 | | F01S2 | | 1-02 | | | | | | | | | 2-4/8 | | 155 |
| F01P2 | | | | 1 | | | | | | | | | | | 155 |
| F02D2 | | F02D2 | | 1-01 | | | | | | | 2 | | | | 156 |
| F02D2 | | F02R2 | | 1-02 | | | | | | | 1 | | | | 156 |
| F02D2 | | F02N1 | | 1-03 | | | | | | | | | 6-2/8 | | 156 |
| F02D2 | | | | 1 | | | | | | | | | | | 156 |
| F02E1 | | F02F1 | | 1-01 | | | | | | | 1 | | | | 157 |
| F02E1 | | F02V2 | | 1-02 | | | | | | | | | 4-2/8 | | 157 |
| F02E1 | | | | 1 | | | | | | | | | | | 157 |
| F02L2 | | F02L2 | | 1-01 | | | | | | | 1 | | | | 158 |
| F02L2 | | F02R1 | | 1-02 | | | | | | | | | 3-0/8 | | 158 |
| F02L2 | | | | 1 | | | | | | | | | | | 158 |
| F02M2 | | F02M2 | | 1-01 | | | | | | | 1 | | | | 159 |
| F02M2 | | F02S1 | | 1-02 | | | | | | | | | 3-0/8 | | 159 |
| F02M2 | | | | 1 | | | | | | | | | | | 159 |
| F02P2 | | F02P2 | | 1-01 | | | | | | | 1 | | | | 160 |
| F02P2 | | F02S2 | | 1-02 | | | | | | | | | 2-4/8 | | 160 |
| F02P2 | | | | 1 | | | | | | | | | | | 160 |
| F03D2 | | F03D2 | | 1-01 | | | | | | | 2 | | | | 161 |
| F03D2 | | F03R2 | | 1-02 | | | | | | | 1 | | | | 161 |
| F03D2 | | F03N1 | | 1-03 | | | | | | | | | 6-2/8 | | 161 |
| F03D2 | | | | 1 | | | | | | | | | | | 161 |
| F03E1 | | F03E1 | | 1-01 | | | | | | | 1 | | | | 162 |
| F03E1 | | F03V2 | | 1-02 | | | | | | | | | 4-2/8 | | 162 |
| F03E1 | | | | 1 | | | | | | | | | | | 162 |
| F03L2 | | F03L2 | | 1-01 | | | | | | | 1 | | | | 163 |
| F03L2 | | F03R1 | | 1-02 | | | | | | | | | 3-0/8 | | 163 |
| F03L2 | | | | 1 | | | | | | | | | | | 163 |
| F03M2 | | F03M2 | | 1-01 | | | | | | | 1 | | | | 164 |
| F03M2 | | F03S1 | | 1-02 | | | | | | | | | 3-0/8 | | 164 |
| F03M2 | | | | 1 | | | | | | | | | | | 164 |

| DD11-C,P0 RUN NAME | HND288,V23(23) 05/24/74 | | | | Q | DRAW | RV | PG | Y | X | Z | REMARKS | 12-MAR-75 LENGTH | 8143 EXCEPTIONS | PAGE 23 RUN NUMBER |
|-----------------------|-------------------------|-------------|--------------|----------------|---|------|----|----|---|---|---|---------|---------------------|--------------------|--------------------------|
| | A/P | PIN NAME | ORDER PIN | PAY - ORDER | | | | | | | | | | | |
| F03P2 | | F03P2 | | 1-01 | | | | | | | 1 | | | | 165 |
| F03P2 | | F03S2 | | 1-02 | | | | | | | | | 2-4/8 | | 165 |
| F03P2 | | | | 1 | | | | | | | | | | | 165 |
| F04D2 | | F04D2 | | 1-01 | | | | | | | 2 | | | | 166 |
| F04D2 | | F04R2 | | 1-02 | | | | | | | 1 | | | | 166 |
| F04D2 | | F04N1 | | 1-03 | | | | | | | | | 6-2/8 | | 166 |
| F04D2 | | | | 1 | | | | | | | | | | | 166 |
| F04E1 | | F04E1 | | 1-01 | | | | | | | 1 | | | | 167 |
| F04E1 | | F04V2 | | 1-02 | | | | | | | | | 4-2/8 | | 167 |
| F04E1 | | | | 1 | | | | | | | | | | | 167 |
| F04L2 | | F04L2 | | 1-01 | | | | | | | 1 | | | | 168 |
| F04L2 | | F04R1 | | 1-02 | | | | | | | | | 3-0/8 | | 168 |
| F04L2 | | | | 1 | | | | | | | | | | | 168 |
| F04M2 | | F04M2 | | 1-01 | | | | | | | 1 | | | | 169 |
| F04M2 | | F04S1 | | 1-02 | | | | | | | | | 3-0/8 | | 169 |
| F04M2 | | | | 1 | | | | | | | | | | | 169 |
| F04P2 | | F04P2 | | 1-01 | | | | | | | 1 | | | | 170 |
| F04P2 | | F04S2 | | 1-02 | | | | | | | | | 2-4/8 | | 170 |
| F04P2 | | | | 1 | | | | | | | | | | | 170 |
| GND (01) | | AM1C2 | | 1-01 | H | | | | | | 2 | | P | H TO WHERE | 171 |
| GND (01) | | AM2C2 | | 1-02 | H | | | | | | 1 | | P | H TO WHERE | 171 |
| GND (01) | | AM3C2 | | 1-03 | H | | | | | | 2 | | P | H TO WHERE | 171 |
| GND (01) | | AM4C2 | | 1-04 | H | | | | | | 1 | | P | H TO WHERE | 171 |
| GND (01) | | AM4T1 | | 1-05 | H | | | | | | 2 | | P | H TO WHERE | 171 |
| GND (01) | | AM3T1 | | 1-06 | H | | | | | | 1 | | P | H TO WHERE | 171 |
| GND (01) | | AM2T1 | | 1-07 | H | | | | | | 2 | | P | H TO WHERE | 171 |
| GND (01) | | AM1T1 | | 1-08 | | | | | | | | | | | 171 |
| GND (01) | | | | 1 | | | | | | | | | 20-4/8 | | 171 |
| GND (02) | | BM1C2 | | 1-01 | H | | | | | | 2 | | P | H TO WHERE | 172 |
| GND (02) | | BM2C2 | | 1-02 | H | | | | | | 1 | | P | H TO WHERE | 172 |
| GND (02) | | BM3C2 | | 1-03 | H | | | | | | 2 | | P | H TO WHERE | 172 |
| GND (02) | | BM4C2 | | 1-04 | H | | | | | | 1 | | P | H TO WHERE | 172 |
| GND (02) | | BM4T1 | | 1-05 | H | | | | | | 2 | | P | H TO WHERE | 172 |
| GND (02) | | BM3T1 | | 1-06 | H | | | | | | 1 | | P | H TO WHERE | 172 |
| GND (02) | | BM2T1 | | 1-07 | H | | | | | | 2 | | P | H TO WHERE | 172 |
| GND (02) | | BM1T1 | | 1-08 | | | | | | | | | | | 172 |
| GND (02) | | | | 1 | | | | | | | | | 20-4/8 | | 172 |

DD11-C.PW
PIN NAME

HND288,V23(23) 05/24/74
A/P PIN ORDER RAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z REMARKS

12-MAR-75 8:43 PAGE 28
LENGTH EXCEPTIONS RUN
NUMBER

| | | | | | | | | | | |
|-------------|-------|--------|---|--|--|---|---|--------|------------|-----|
| PR L | A01N2 | 1-01 * | H | | | 2 | P | | HAND WIRE | 196 |
| PR L | A02N2 | 1-02 * | | | | 1 | | | TO HERE | 196 |
| PR L | C01S1 | 1-03 * | H | | | 2 | P | | HAND WIRE | 196 |
| PR L | C02S1 | 1-04 * | H | | | 1 | P | | HAND WIRE | 196 |
| PR L | C03S1 | 1-05 * | H | | | 2 | P | | HAND WIRE | 196 |
| PR L | C04S1 | 1-06 * | | | | 1 | | | TO HERE | 196 |
| PR L | A03N2 | 1-07 * | H | | | 2 | P | | HAND WIRE | 196 |
| PR L | A04N2 | 1-08 * | | | | | | | TO HERE | 196 |
| PR L | | 1 | | | | | | 30-0/8 | | 196 |
| RESERVE BUS | R02A1 | 1-01 | H | | | 1 | P | | H TO WHERE | 197 |
| RESERVE BUS | R03A1 | 1-02 | | | | | | | TO HERE | 197 |
| RESERVE BUS | | 1 | | | | | | 2-6/8 | | 197 |
| SACK L | A01R2 | 1-01 * | H | | | 2 | P | | HAND WIRE | 198 |
| SACK L | A02R2 | 1-02 * | | | | 1 | | | TO HERE | 198 |
| SACK L | F01T2 | 1-03 * | H | | | 2 | P | | HAND WIRE | 198 |
| SACK L | F02T2 | 1-04 * | H | | | 1 | P | | HAND WIRE | 198 |
| SACK L | F03T2 | 1-05 * | H | | | 2 | P | | HAND WIRE | 198 |
| SACK L | F04T2 | 1-06 * | | | | 1 | | | TO HERE | 198 |
| SACK L | A03R2 | 1-07 * | H | | | 2 | P | | HAND WIRE | 198 |
| SACK L | A04R2 | 1-08 * | | | | | | | TO HERE | 198 |
| SACK L | | 1 | | | | | | 45-6/8 | | 198 |
| SSYN L | F01C1 | 1-01 * | H | | | 2 | P | | HAND WIRE | 199 |
| SSYN L | F02C1 | 1-02 * | H | | | 1 | P | | HAND WIRE | 199 |
| SSYN L | F03C1 | 1-03 * | H | | | 2 | P | | HAND WIRE | 199 |
| SSYN L | F04C1 | 1-04 * | | | | | | | TO HERE | 199 |
| SSYN L | | 1 | | | | | | 8-2/8 | | 199 |
| SSYN L | B01U1 | 1-01 * | H | | | 2 | P | | HAND WIRE | 200 |
| SSYN L | B02U1 | 1-02 * | | | | 1 | | | TO HERE | 200 |
| SSYN L | B03U1 | 1-03 * | H | | | 2 | P | | HAND WIRE | 200 |
| SSYN L | B04U1 | 1-04 * | H | | | 1 | P | | HAND WIRE | 200 |
| SSYN L | B05U1 | 1-05 * | H | | | 2 | P | | HAND WIRE | 200 |
| SSYN L | B06U1 | 1-06 * | | | | 1 | | | TO HERE | 200 |
| SSYN L | B07U1 | 1-07 * | H | | | 2 | P | | HAND WIRE | 200 |
| SSYN L | B08U1 | 1-08 * | | | | | | | TO HERE | 200 |
| SSYN L | | 1 | | | | | | 32-2/8 | | 200 |
| SSYN L JMP | F02J1 | 1-01 | | | | 1 | | | | 201 |
| SSYN L JMP | F02C1 | 1-02 | | | | | | | | 201 |
| SSYN L JMP | | 1 | | | | | | 4-4/8 | | 201 |